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Build Overview

Set Up Environment

Set the following environment variables:

- JAVA_HOME (pointing to the root directory of the java installation)
- ANT_HOME (pointing to the root directory of the ant installation)

Microsoft has a help page describing [how to set environment variables under Windows XP].

Validate Pre-Requisite Software

```
%> java -version%>
ant -version
```

Running these commands should display the version number of the installed software. If you get a command not found message then the install was unsuccessful.

Build Overview

Build C3PR

```
%> cd %C3PR_Location%\codebase\antfiles
%> ant -deploy-webapp-local
```

The first command navigates to the build file location. the second command runs the ant tasks which build the requisite projects.

If you need to deploy the application to Tomcat then run deploy-webapp. This will move the compiled classes to the tomcat folder for you.

Set up Eclipse

Assuming that you have imported all the projects separately in eclipse. Here's the next steps you need to do.

- Install ant on your system.
- Set CATALINA_HOME environment variable correctly.
- Restart eclipse.
- In eclipse, open the antfiles project and drag and drop the ivy-master-build.xml file in the ant view(you can open ant view from Window -> Show View -> Ant).
- In Ant View, Click on the dragged file, it will expand.
- Double click on the deploy-webapp-local target to run the target.
- It will take 10-15 mins to run since you will be doing it for the first time.
- After its built successfully, right click on the core project and click on Build Path -> Configure Build Path. Go to Libraries tab. Select all the jars and remove them. Note do not remove the JRE Runtime Library, just remove the jars. Then click on Add Jars. Select core -> build -> lib. Select all the jars in that folder and add them.
- Repeat the process for web project.

This should build the projects correctly.

Prerequisites

SVN client, Java, Ant, etc? - with versions

Prerequisites 2

Checking out the Code

• Checking out the Code through Command Line:

Anonymous Subversion Access

This project's SVN repository can be checked out through anonymous access with the following command(s).

svn checkout https://gforge.nci.nih.gov/svnroot/c3prv2

Developer Subversion Access via DAV

- Only project developers can access the SVN tree via this method.
- Substitute developername with the proper values.
- Enter your site password when prompted.

svn checkout --username developername https://gforge.nci.nih.gov/svnroot/c3

Overview of the Codebase

Directory structure and important files.

Building

What commands to run to build.

Problems and Solutions

Any problems you may see and how to solve them.

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